



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT

re application

Applicant: JOSEPH HUMMEL

Serial No.: 08/424,223

Art. Unit: 3503

Filing Date: April 19, 1995

Examiner: N/A

Docket No.: 10-142C3

Title: KNITTABLE YARN AND SAFETY APPAREL

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JUL 27 1995

GROUP 3500

Watts, Hoffmann, Fisher &  
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Commissioner of Patents and Trademarks  
Washington, D.C. 20231

DISCLOSURE STATEMENT

Dear Sirs:

The attention of the Patent and Trademark Office is invited to the fact that this application is a file wrapper continuation application of application Serial No. 07/968,209, filed October 29, 1992, now abandoned. The applicant hereby incorporates into the file of this application all the prior art which was of record in the parent application. Accompanying this document are copies of all Disclosure Statements and notices of references cited in the parent application. The undersigned believes that copies of each of the items identified in the parent application's Disclosure Statements are in the file. References will be provided upon request.

Respectfully submitted,

7-5-95  
Date

James G. Watterson  
James G. Watterson  
Reg. No.: 20,180

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Trademarks, Washington, D.C. 20231 on 7-5-95.

By: Jordan M. Gyzlalc



PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re Application of

Joseph Hummel

Serial No.: 07/968,209

Group Art Unit: 2405

Filed: October 29, 1992

Examiner: J. Hail

For: IMPROVED YARN AND SAFETY APPAREL

Docket No.: 10-142C2

Watts, Hoffmann, Fisher  
& Heinke Co., L.P.A.  
100 Erieview Plaza  
Suite 2850  
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Washington, D.C. 20231

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Trademarks, Washington, D.C. 20231 on 3-17-94.

By: J. M. Dyzelak

SUPPLEMENTAL DISCLOSURE STATEMENT

Dear Sir:

Enclosed is a copy of a search report dated 14 February 1994 that has been received by Applicants' attorneys in a counterpart application filed in the European Patent Office. Also enclosed is a copy of each reference cited therein. The European Patent Office search report and the references cited therein and not already of record are listed on the accompanying PTO Form 1449.

U.S. Patent 4,912,781 has already been made of record.

Pursuant to 37 CFR §1.97(e), it is hereby certified that the European Patent Office search report was mailed on 14 February 1994 and therefore each item of information contained in this Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Supplemental Disclosure Statement.

Respectfully submitted,

Date: March 17, 1994

James G. Watterson  
James G. Watterson  
Reg. No. 20,180



PATENT  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application

Applicant: JOSEPH HUMMEL

Serial No.: 07/968,209

Art. Unit: 2405

Filing Date: October 29, 1992

Examiner: N/A

Docket No.: 10-142C2

Title: KNITTABLE YARN AND SAFETY APPAREL

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JUL 27 1995

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Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

DISCLOSURE STATEMENT

Dear Sirs:

In compliance with 37 C.F.R. §1.56, applicant hereby cites and furnishes copies of the patents listed on the attached PTO Form 1449. This citation is made with the expectation that the patents will be fully considered by the Patent and Trademark Office during examination of the subject application. Translations of the foreign references are provided.

U.S. PATENTS

<u>Patent No.</u>	<u>Issue Date</u>	<u>Inventor</u>
831,108	09/18/06	Ryder
2,165,296	07/11/39	Oass
2,864,091	12/16/58	Schneider
3,087,699	04/30/63	Foster

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addressed to the Commissioner of Patents and  
Trademarks, Washington, D.C. 20231 on 4/23/93.

By: Anta J. Ito

<u>Patent No.</u>	<u>Issue Date</u>	<u>Inventor</u>
3,145,525	08/25/64	Laureti
3,288,175	11/29/66	Valko
3,490,224	01/20/70	Bourgeas
3,572,397	03/23/71	Austin
3,607,822	09/21/71	Nishino
3,700,515	10/24/72	Terry
3,821,067	06/28/74	Taylor et al.
3,871,946	03/18/75	Romanski et al.
3,883,898	05/20/75	Byrnes, Sr.
3,895,149	07/15/75	Sheffler et al.
3,923,926	12/02/75	Harada et al.
3,968,725	07/13/76	Holzhauer
4,004,295	01/25/77	Byrnes, Sr.
4,267,044	05/12/81	Kroplinski et al.
4,384,449	05/24/83	Byrnes, Sr. et al.
4,470,251	09/11/84	Bettcher
4,526,828	07/02/85	Fogt et al.
4,640,950	02/03/87	Nishino et al.
4,777,789	10/18/88	Kolmes et al.
4,838,017	06/13/89	Kolmes et al.
4,912,781	04/03/90	Robines et al.
4,936,085	06/26/90	Kolmes et al.

#### PUBLICATIONS

The WHIZARD cut-resistant LINER II Glove, 1989, Form 789.  
The WHIZARD KNIFE HANDLER Glove, 1990, Form 990-4.  
The WHIZARD GRIPGUARD Glove, 1985, Bulletin GG 585.

OTHER

KUT-GUARD 40 by PR Industries is a glove that, as best can be determined, the yarn is comprised of a core of 1300 denier polyester and a first and second wrap of 0.004 inch stainless steel at 10 wraps per inch wrapped in opposite directions and a third and fourth wrap of 1300 denier polyester at 10 wraps per inch wrapped in opposite directions. The outer diameter of the yarn is 0.030 inch.

KUT-GUARD by PR Industries is a glove that, as best can be determined, the yarn is comprised of a 1300 denier polyester core strand wrapped directly by a 0.004 inch stainless steel wire at 8 wraps per inch, a wrap of 1000 denier polyester at 10 wraps per inch, and a wrap of 1300 denier polyester at 14 wraps per inch. The yarn has an outer diameter of 0.028 inch.

TUFF-KNIT STEEL II by Perfect Fit Industries is a glove that, as best can be determined, the yarn is comprised of 840 denier white polyester, a first and second wrap of 0.003 inch stainless steel wrapped at 8 wraps per inch in opposite directions, and a third wrap of 840 denier yellowish polyester at 10 wraps per inch and a fourth wrap of 1000 denier yellowish polyester wrapped at 8 wraps per inch. The yarn has an outer diameter of 0.022 inch.

TUFF-KNIT STEEL II(A) by Perfect Fit Industries is a glove that, as best can be determined, the yarn is comprised of a core of 1300 denier polyester and a 0.003 inch stainless steel wire wrapped to the left with a 0.003 inch stainless steel wire at 8 wraps per inch and wrapped to the right with a 0.003 inch stainless steel wire at 8 wraps per inch. The wrapped stainless steel wire is parallel to the polyester strand in the core. The core strands are wrapped first with 1000 denier polyester at 10 wraps per inch and a second wrap of 1300 denier polyester at 8 wraps per inch wrapped in an opposite direction of the second wrap. The outer diameter of the yarn is 0.028 inch.

POLAR BEAR by Golden Needles Knitting, Inc. is a glove that, as best can be determined, is knit from yarn comprised as follows: a core of one annealed stainless steel strand approximately 0.004 inch in diameter and one

parallel strand of stretched high strength polyethylene fiber (believed to be Allied "Spectra 900") of between 1000 and 1200 denier, and two outer wrappings wound in opposite directions, the first of high strength polyethylene fiber (believed to be Allied "Spectra 1000") of about 650 denier and the second of nylon (believed to be Allied "Caprolon") of about 630 denier. Allied Spectra is asserted by the manufacturer to have tensile strength greater than Kevlar (high strength aramid).

#### FOREIGN PATENTS & PUBLICATIONS

<u>Patent No.</u>	<u>Country</u>	<u>Publication Date</u>	<u>Brief Description</u>
19,406	German	09/12/82	Teaches asbestos covered threads having a metal wire inlay (core?) or a spinnable material inlay.
187,327	United Kingdom	10/18/22	Discloses a fabric composed of metal and fiber warp yarn and metal entwined with fiber filling yarn, the yarns being woven so that there is metal-to-metal contact at the crossing points of the warp and filling yarns.
1,401,378	United Kingdom	07/30/75	Discloses a temperature resistant fabric having a layer of aromatic polyamide or polyester fibers intertwined with asbestos yarn and a coating of elastomeric material.
1,539,816	France	08/12/68	Discloses a protective garment woven from a yarn in which metal wires are twisted, plated or wrapped on a textile thread.
43-5157	Japan	03/05/68	Teaches a yarn for decorative purposes. The yarn is composed of a metal core, a fiber thread twined around the core in one direction and a filament covered

fine wire twined around the core  
and fiber in the other direction.

47-28125 Japan

04/15/71

Discloses a protective glove knit  
from stainless steel wire or wire  
twine.

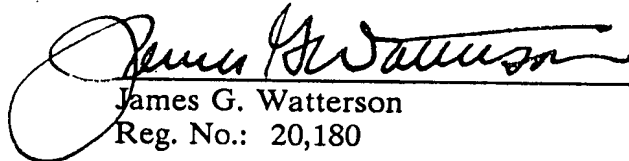
1,610,495 German

01/28/71

Discloses a yarn having a wire  
core thread spun around twice  
with a natural or synthetic fiber.  
The fibers may be spun around  
either in the same or opposite  
directions.

Respectfully submitted,

April 22, 1993  
Date

  
James G. Watterson  
Reg. No.: 20,180

## INFORMATION DISCLOSURE CITATION

Sheet 1 of 4

Applicant: Joseph Hummel

Filing Date: 10/29/92

Group: 2405

## U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date (If appropriate)
AA	8 3 1 1 0 8	09/18/06	Ryder			
AB	2 1 6 5 2 9 6	07/11/39	Oass			
AC	2 8 6 4 0 9 1	12/16/58	Schneider			
AD	3 0 8 7 6 9 9	04/30/63	Foster			
AE	3 1 4 5 5 2 5	08/25/64	Laureti			
AF	3 2 8 8 1 7 5	11/29/66	Valko			
AG	3 4 9 0 2 2 4	01/20/70	Bourgeas			

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation YES	Translation NO
AH							
AI							
AJ							
AK							
AL							
AM							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AN	
AO	
AP	
AQ	

EXAMINER

DATE CONSIDERED

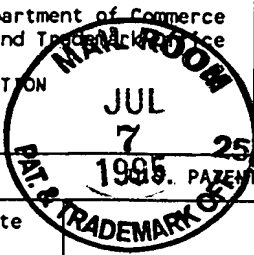
\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.  
Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to Applicant.

\*\*Copies of references not provided at the time of this submission.



USPTO Form 1449		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: 10-142C2		Serial No.: 07/968,209	
INFORMATION DISCLOSURE CITATION				Applicant: Joseph Hummel			
Sheet 2 of 4				Filing Date: 10/29/92		Group: 2405	
U.S. PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Name	Class	Subclass	Filing Date (If appropriate)
	AA	3 5 7 2 3 9 7	03/23/71	Austin			
	AB	3 6 0 7 8 2 2	09/21/71	Nishino			
	AC	3 7 0 0 5 1 5	10/24/72	Terry			
	AD	3 8 2 1 0 6 7	06/28/74	Taylor et al.			
	AE	3 8 7 1 9 4 6	03/18/75	Romanski et al.			
	AF	3 8 8 3 8 9 8	05/20/75	Byrnes, Sr.			
	AG	3 8 9 5 1 4 9	07/15/75	Sheffler et al.			
FOREIGN PATENT DOCUMENTS							
Examiner Initials		Document Number	Date	Country	Class	Subclass	Translation YES NO
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	AN						
	AO						
	AP						
	AQ						
EXAMINER					DATE CONSIDERED		
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609.          Draw line through citation if not in conformance and not considered.          Include copy of this form with next communication to Applicant.</p>							
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Sheet 3 of 4				Filing Date: 10/29/92	Group: 2405



Examiner Initials	Document Number	Date	Name	Class	Subclass	Filing Date (If appropriate)
	AA 3 9 2 3 9 2 6	12/02/75	Harada et al.			
	AB 3 9 6 8 7 2 5	07/13/76	Holzhauser			
	AC 4 0 0 4 2 9 5	01/25/77	Byrnes, Sr.			
	AD 4 2 6 7 0 4 4	05/12/81	Kroplinski et al.			
	AE 4 3 8 4 4 4 9	05/24/83	Byrnes, Sr. et al.			
	AF 4 4 7 0 2 5 1	09/11/84	Bettcher			
	AG 4 5 2 6 8 2 8	07/02/85	Fogt et al.			

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 GROUP 350

FOREIGN PATENT DOCUMENTS									
Examiner Initials	Document Number	Date	Country	Class	Subclass	Translation YES NO			
AH									
AI									
AJ									
AK									
AL									
AM									

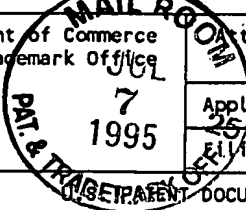
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
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AO	
AP	
AQ	

EXAMINER	DATE CONSIDERED
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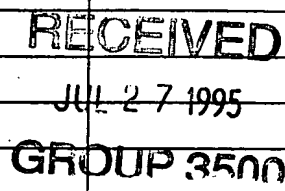
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Sheet 4 of 4				Filing Date: 10/29/92		Group: 2405	



US PATENT DOCUMENTS													
Examiner Initials		Document Number							Date	Name	Class	Subclass	Filing Date (If appropriate)
	AA	4	6	4	0	9	5	0	02/03/87	Nishino et al.			
	AB	4	7	7	7	7	8	9	10/18/88	Kolmes et al.			
	AC	4	8	3	8	0	1	7	06/13/89	Kolmes et al.			
	AD	4	9	1	2	7	8	1	04/03/90	Robines et al.			
	AE	4	9	3	6	0	8	5	06/26/90	Kolmes et al.			
	AF												
	AG												



FOREIGN PATENT DOCUMENTS															
Examiner Initials		Document Number							Date	Country	Class	Subclass	Translation YES NO		
	AH			1	9	4	0	6	09/12/82	Germany					
	AI		1	8	7	3	2	7	10/18/22	United Kingdom					
	AJ	1	4	0	1	3	7	8	07/30/75	United Kingdom					
	AK	1	5	3	9	8	1	6	08/12/68	France					
	AL	4	3	-	5	1	5	7	03/05/68	Japan					
	AM	4	7	2	8	1	2	5	04/15/71	Japan					
	AN	1	6	1	0	4	9	5	01/28/71	Germany					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
AO	The WHIZARD cut-resistant LINER II Glove, 1989, Form 789.
AP	The WHIZARD KNIFE HANDLER Glove, 1990, Form 990-4.
AQ	The WHIZARD GRIPGUARD Glove, 1985, Bulletin GG 585.
AR	

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